



RESEARCH PROGRAM, PANEL 1, 1953

DENMARK

Statsministeriet
Grønlands Fiskeriundersøgelser,
Charlottenlund Slot, Denmark

Inventory of research facilities in Subarea I.

1. A. Research ships
 - M/S Dana. 1/7-10/8 1953
 - M/K Adolf Jensen. 1/5-1/10 1953
- B. One biologist onboard a Faroese trawler in March in the Southern Davis Strait.
- C. Material will be collected at several Greenlandic fisheries stations.
- D. Surface temperatures taken from merchant ships.
- E. Surface temperature recorder, thermograph and barograph attached to M/S Dana.
2. A. M/S Dana. (chart I) Work in open sea.
 - Hydrographical sections. Hauls with 2m stramin bag for catching fish larvae and different macroplankton animals.
 - Vertical hauls with Hensen net.
 - Trawling experiments.
 - Tagging experiments with cod, halibut, seawolf (if possible).
 - Collections of cod otoliths.
- M/K Adolf Jensen. (chart II) Work in coastal waters and in the fjords.
 - Hydrographical observations.
 - Hauls with 1m stramin bag.
 - Vertical hauls with Hensen net.
 - Fishing experiments with shrimp trawl.
 - Tagging experiments with cod, seawolf, salmon and char.
 - Fishing experiments for herring with seine and drift nets.
 - Collections of herring scales
 - Collections of otoliths of cod, char, halibut, caplin.
 - Collection of material of shrimps.
 - Investigations of stomach content of different fishes
- B. Faroese trawler. Investigations upon spawning conditions for cod in Davis Strait.
 - Collections of otoliths of spawning cod.
 - Hydrographical observations.
- C. (chart III) Samples of otoliths from Greenlanders catches during the season at different fisheries stations.
3. (chart I) Biological station at Godthåb. (1953)
 - M/B Umarissok. (1953)

Paul M. Hansen.

FRANCE

Compiled at headquarters from the general French Research Program for the Convention Area as received with letter of 3 February 1953 from M.M.P. Desbrosses, Office Scientifique et Technique des Peches Maritimes, Paris.

The frigate "Aventure" of the Marine Nationale Française will operate from May to September in the area of the Grand Banks of Newfoundland and off the west coast of Greenland to 65° N. Lat.

Hydrographic observations. Temperature and Salinity will be determined from the surface and down to a depth of 500 m. in the waters west of Greenland. A special hydrographic section will be made from St. John's, Newfoundland to Kap Farvel, Greenland across the Subareas 1, 2 and 3.

ICELAND

1. At least one commercial trawler will be in charge of collecting material.
2. It is hoped that one or more trawlers can be fitted with thermographs.
3. Temperature-measurements of sea-water will be made from the above-mentioned trawlers.
4. Biological investigations upon the cod:
 - a. large-scaled length measurements
 - b. samplings of otoliths for age-determinations
 - c. observations on stage of maturity

The University Research Institute,
Department of Fisheries,
Reykjavik.

31 January 1953.

Arni Fridriksson.

SPAIN

Compiled from a letter of 29 January 1953 received from the Subsecretaria de la Marina Mercante, El Director General, concerning the research work of Spain in the Convention Area.

Spain does not plan to carry out any research work in Subarea 1 in 1953. A Spanish biologist will, however, visit the Subareas 3 and 4, mainly in order to assess the possibilities for carrying out research work in those parts of the Convention Area where Spanish vessels are fishing.

UNITED KINGDOM

The following information was received in a letter of 6 February 1953 from Dr. C.E. Lucas, Marine Laboratory, Scottish Home Department:

Programme of Work to be undertaken
by the United Kingdom in Panel 1
Subarea of the International Commission
for the Northwest Atlantic Fisheries in 1953.

No fisheries research vessel is likely to be working in the Subarea during the year but some effort will be put into obtaining age-length determination samples at the Humber ports from cod catches taken in the area of the Cape Farewell trawl fishery. The method will consist of an examination of otoliths and fin-rays. Some shore sampling will also be carried out from Aberdeen if liners from that port work in the Commission's area.

In addition to this the usual statistical information will be obtained from the area and furnished to the Commission at the appropriate time and as far as possible in the form requested.

Outside Panel 1 Subarea but in the adjacent E. Greenland waters it may be relevant to Panel 1 work to mention that shore sampling of Aberdeen halibut catches will be carried out, and it is possible that an observer will be sent on one or two cruises of commercial vessels in East Greenland waters.

From Mr. R.S. Wimpey, Fisheries Laboratory, Lowestoft, Ministry of Agriculture and Fisheries, the following information was received in a letter of 12 January 1953:

Shore sampling from trawled cod fishery
in Panel 1 Area (near Cape Farewell)

Biological information collected under 1.C would include, in addition to monthly statistics showing the catch and effort of the various species for trawl and line caught fish from the subareas of the various Panel regions involved, age length determination samples for the cod of the Cape Farewell trawl fishery. To make the determinations necessary from these samples otoliths and fin rays will be employed.

It is not expected that any hydrographic or meteorological data will be collected. No research facilities other than those listed above are expected to be available in the near future.

NORWAY

Fiskeridirektoratets
Havforskningsinstitutt
Bergen.

14 January 1953

Program of work in Panel I, 1953

As in preceeding year one or more biologists will be at work on commercial vessels fishing on the banks in the Davis Strait. The work will mainly comprise collecting of cod otoliths, at the same time noting the catches in the different regions of the banks. This for assessing the composition and the quantitative distribution. Also marking experiments will be carried out.

If conditions permit temperature sections will be across Frederikshaabs Bank, Fyllas Bank, Little Hellefisk Bank and Great Hellefisk Bank. Bottom temperature observations will be taken on most fishing stations for the study of the influence of temperature changes on fish distribution, density and general fish biology. As in previous years notes will be taken on ice conditions.

It is hoped that the biologists will be able to work aboard a trawler in the early part of the season (May-June), and later in the summer collect material from a long-liner.

Gunnar Rollefson.

Birger Rasmussen.

PORTUGAL

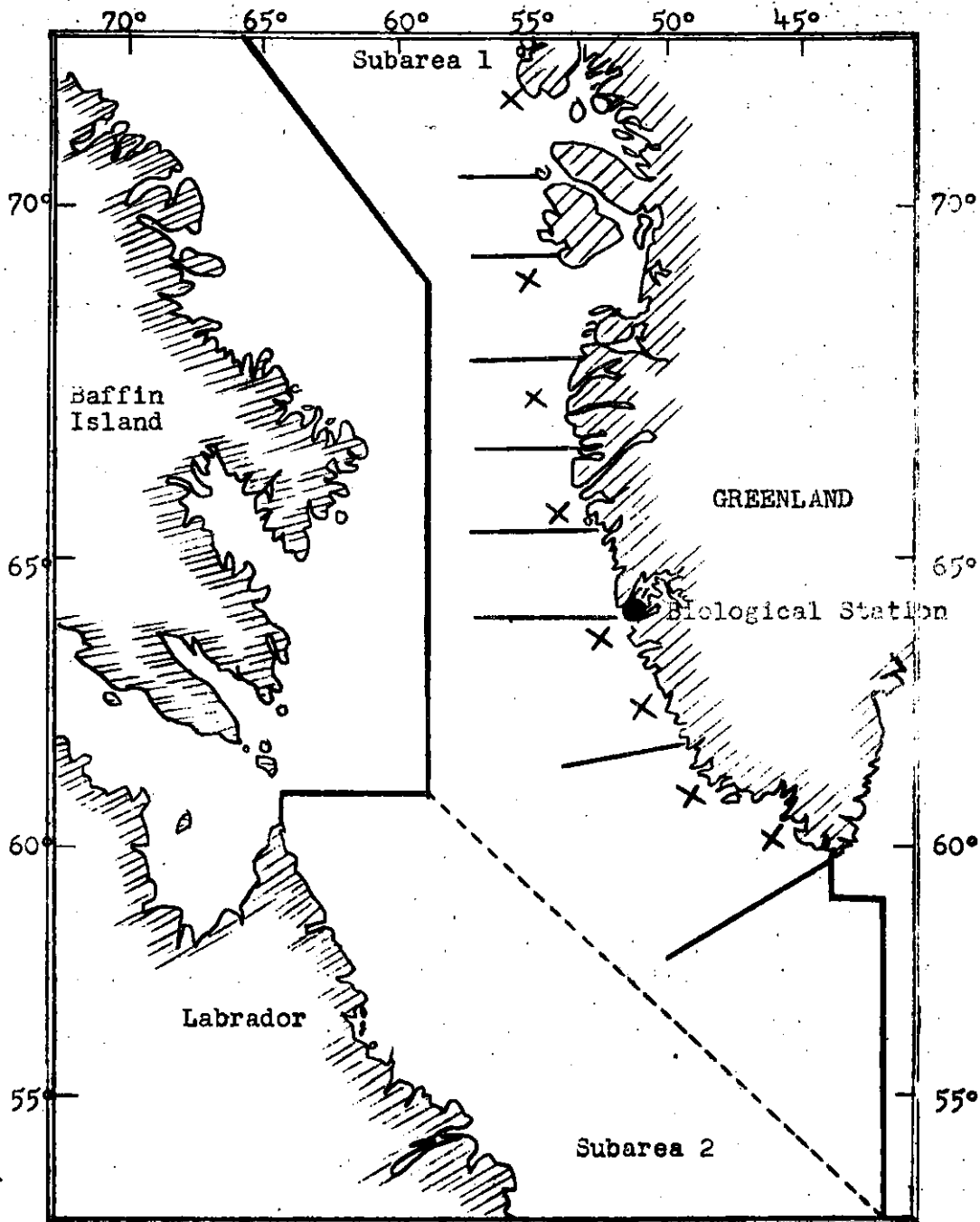
A letter has been received from Commander Tavares de Almeida (13 December 1952) stating that it is not yet possible for Portugal to submit a special Research Program for Subarea 1. However, means are expected to be available permitting a continuation and improvement of the work initiated in 1949 onboard M/S "Gil Eanes" to such an extent that cooperation with other countries working in that area can be effected.

Another letter from Commander Tavares de Almeida (6 February 1953) states that a Portuguese scientist will be sent to the Greenland waters in 1953 partly to work (for training purposes) together with Danish scientists on land, on board Danish Research vessels, and on board a Portuguese fishing vessel, and partly to carry out research work on board the "Gil Eanes". Finally he will investigate the possibilities for carrying out researches from vessels of the Portuguese fishing fleet.

Chart I.

Denmark, Research Program 1953, Subarea 1

M/S "Dana" 1 July - 10 August



— Hydrographical sections with plankton samplings

X Taggings and otolith samplings of cod

Chart II.

Denmark, Research Program 1953, Subarea 1

M/C "Ad. S. Jensen" May - October

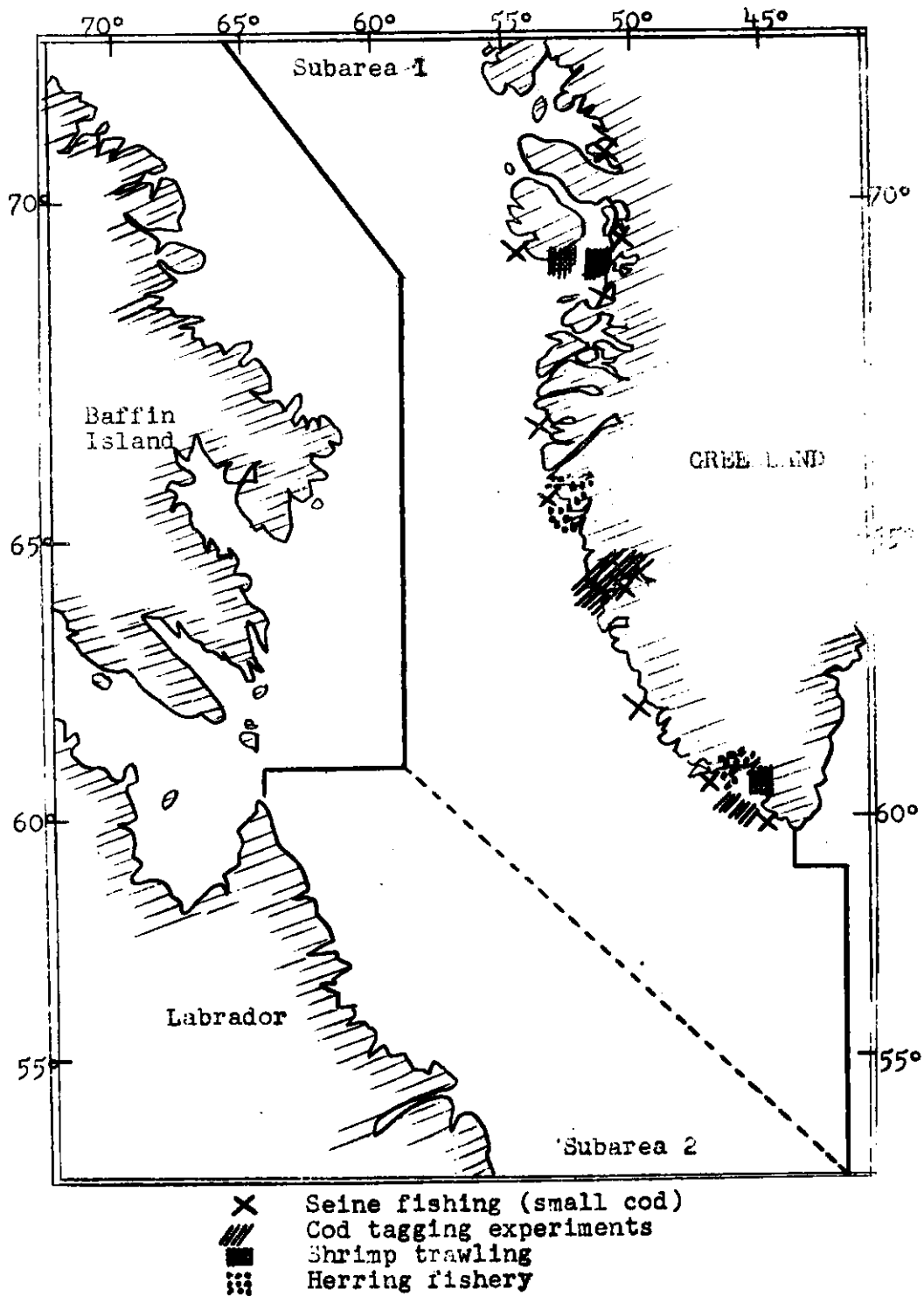
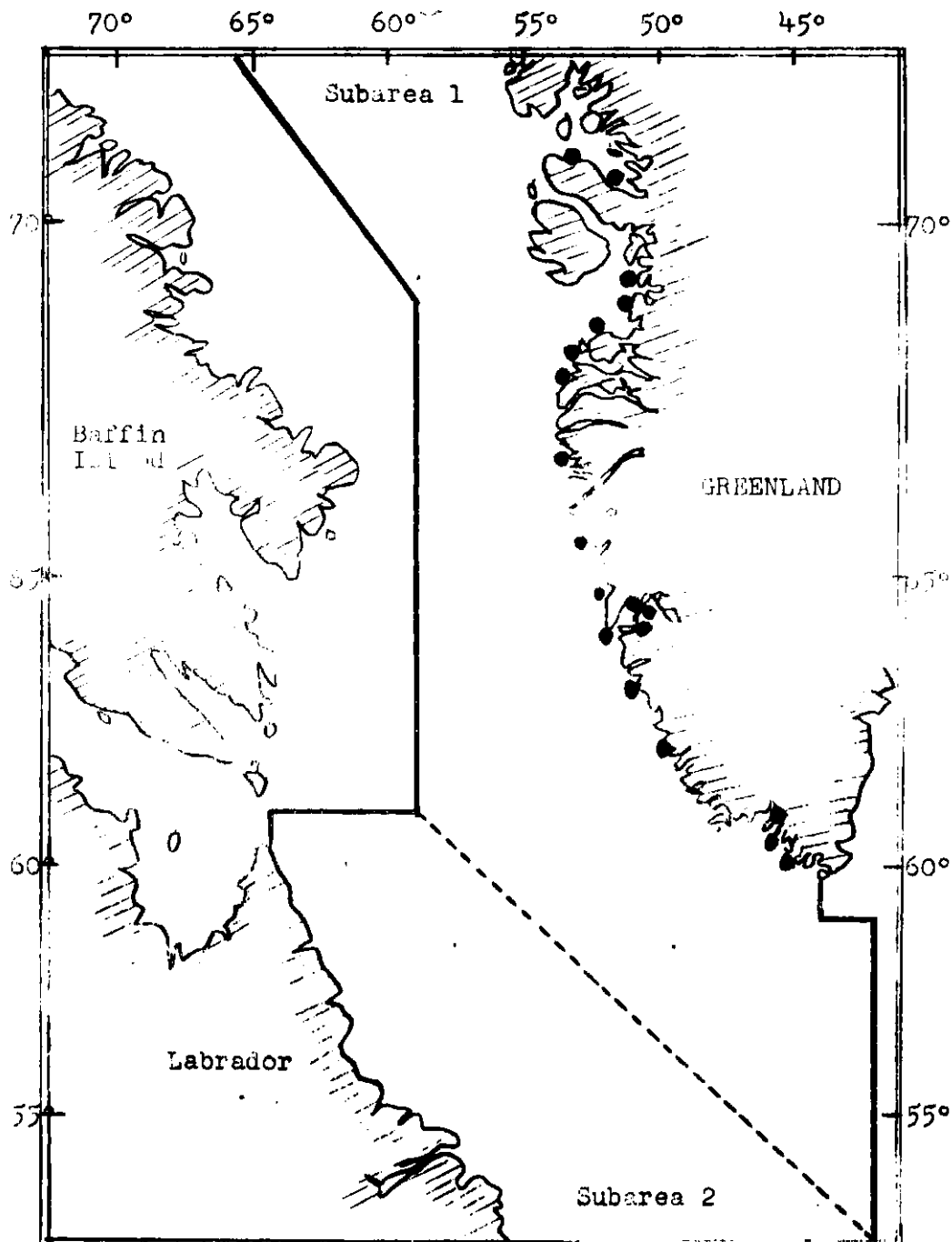


Chart III.

Denmark, Research Program 1953, Subarea 1

Samples of cod otoliths collected by fisheries officers
at different fisheries stations
from catches made by Greenlanders.



U.S.A. RESEARCHES PLANNED IN SUBAREA 1 FOR 1953.

(Compiled from U.S. Research in the Convention Area Planned for 1953, Document 9).

By U.S. Coast Guard for International Ice Patrol.

1. Hydrographic Section between Labrador and Kap Farvel. Occupied once in July.
2. Occasional hydrographic Sections across the major currents of the northern part of the Labrador Sea and the Southern part of the Baffin Bay. Observations include temperature and salinity, and sometimes Phosphorus.

By U.S. Weather Bureau.

3. From the Weather Ship "Baker", situated at the border of Subareas 1 and 2 (at approximately 57° Northern Lat.) observations of air temperature, barometric pressure, and other standard meteorological data will be made.